

### CLAIM AMENDMENTS

1. (Currently amended) A method of blocking microbial adherence to a eukaryotic cell surface in a mammal by applying to said surface a pharmacologically acceptable composition comprising consisting essentially of isoleucine present in a microbial blocking quantity.
2. (Original) The method of claim 1 wherein the microbial blocking quantity is in the range of from about 0.1 ug/cm<sup>2</sup> to about 1 gm/cm<sup>2</sup> of eukaryotic cell surface area.
3. (Original) The method of claim 2 wherein said quantity is from about 3 ug/cm<sup>2</sup> to about 100 ug/cm<sup>2</sup>.
4. (Original) The method of claim 2 wherein said quantity is from about 10 ug/cm<sup>2</sup> to about 100 ug/cm<sup>2</sup>.
5. (Original) The method of claim 1 wherein the mammal is man.
6. (Original) The method of claim 1 wherein the epithelial surface is one or more of the oral cavity, GI tract, respiratory tract, genitourinary tract, skin, eye, and vaginal/cervical area.
7. (Original) The method of claim 1 wherein the composition consists of a pure powder of L(+)-isoleucine and/or DL-isoleucine.
8. (Original) The method of claim 1 wherein the composition is in the form of a dry powder, a paste, a solution, a gel, a tablet, a lozenge, or a capsule.
9. (Currently amended) The method of claim 1 wherein the composition is directly applied to the epithelial said surface.

10. (Currently amended) The method of claim 1 wherein the composition is in the form of a pharmacologically acceptable aqueous composition containing from about 0.01 ug/ml to about 50 ug/ml of isoleucine.
11. (Currently amended) A pharmacologically acceptable composition comprising :
- A) from about 0.001 to about 99% by weight of a compound consisting essentially of isoleucine;
  - B) at least one additional pharmacologically active substance; and, optionally,
  - C) pharmacologically acceptable carrier materials and/or excipients.
12. (Original) The composition of claim 11 wherein component A) is present in from about 0.002 to about 50% by weight.
13. (Original) The composition of claim 11 wherein component A) is present in from about 0.1 to about 25% by weight.
14. (Original) The composition of claim 11 wherein said composition is in the form of a dental care product.
15. (Original) The composition of claim 14 wherein component B) is one or more of a fluoride, xylitol, an antibody, and an anti-microbial agent.
16. (Original) The composition of claim 14 wherein the composition is in the form of a toothpaste or a gel.
17. (Withdrawn) The composition of claim 14 wherein the composition is in the form of a denture adhesive or a gel.

18. (Currently amended) A toothpaste or gel comprising a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
19. (Withdrawn) The composition of claim 11 wherein the composition is in the form of a chewing gum.
20. (Withdrawn) The composition of claim 19 wherein component B) is one or more of an antimicrobial substance and xylitol.
21. (Withdrawn but currently amended) A chewing gum comprising a eukaryotic cell blocking quantity of a compound consisting essentially of isoleucine.
22. (Withdrawn) The composition of claim 11 wherein the composition is in the form of a hard candy or lozenge.
23. (Withdrawn) The composition of claim 11 wherein the composition is coated on dental floss.
24. (Withdrawn) The composition of claim 11 wherein the composition is in the form of a vaginal gel.
25. (Currently amended) The composition of claim 24 wherein component B) is a an antifungal and/or antimicrobial substance.
26. (Withdrawn but currently amended) A vaginal gel comprising a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
27. (Withdrawn) The composition of claim 11 wherein the composition is in the form of a female douche, and component B) is one or more of an an antimicrobial substance, an antifungal agent, live probiotic microorganisms, and live lactobacilli.

- 28.(Withdrawn but currently amended) A female douche comprising a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
29. (Withdrawn)The composition of claim 11 wherein the composition is in the form of a nasal spray, and component B) is one or more of a decongestant, zinc ions, pseudoephedrine, dextromethorphan, diphenhydramine, and echinacea.
- 30.(Withdrawn but currently amended) A nasal spray comprising a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
31. (Currently amended) The composition of claim 11 wherein the composition is in the form of a wound ointment or cream, and component B) is one or more of an antimicrobial substance[;] and an anesthetic.
32. (Currently amended) A wound ointment or cream comprising a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
33. (Withdrawn but currently amended) A gauze wound covering containing a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
34. (Original) The composition of claim 11 wherein the composition is in the form of a skin ointment or cream.
35. (Withdrawn) The composition of claim 11 wherein the composition is in the form of an oral supplement, and component B) is one or more of an

antioxidant, a vitamin, live probiotic bacteria, live bifidobacteria, live streptococci, live enterococci, heat-killed probiotic bacteria, peppermint oil or extract, menthol, quassia, bistort, ginger, angelic, bayberry, chamomile, fish oil, a fatty acid, an omega-3 fatty acid, fiber, flaxseed, slippery elm, niacin, a plant extract, garlic or garlic extract, calcium, stannol esters, lutein, zeaxanthin, cryptoxanthin, isoflavone, an anti-inflammatory compound, aspirin, ibuprofen, and acetaminophen.

36. (Withdrawn but currently amended) An oral dosage composition comprising a eukaryotic cell surface blocking quantity of a compound consisting essentially of isoleucine.
37. (Withdrawn) The composition of claim 11 wherein component B) is a comestible.
38. (Withdrawn) The composition of claim 37 wherein the comestible is selected from the group consisting of a fermented milk food product, a nutritional bar, a baked cake, a baked cookie, a spreadable food product, a nutritional drink, a dairy product, a soup, an infant formula, and a baby food.
39. (Withdrawn) The composition of claim 11 wherein component B) is an animal food.
40. (Withdrawn) The composition of claim 39 wherein the animal food contains at least one of the following: chicory, fiber, live probiotic bacteria, silage, grain, corn, soybeans, and wheat.